

DAFTAR PUSTAKA

- Albalat, A. A., Zacarias, S. S., Coates, C. J., Neil, D. M., & Rey Planellas, S. 2022. Welfare in farmed decapod crustaceans, with particular reference to *Penaeus vannamei*. *Frontiers in Marine Science*. 9: 886024.
- Alfaro-Montoya, J., Chavarría-Solano, M., Vargas-Ceballos, M. A., dan Herrera-Quesada, E. 2024. Structure and sexual dimorphism of the first antennae in *Penaeus vannamei* Boone, 1931. *Invertebrate Reproduction & Development*. 68(4): 235–242.
- Alsafy, M. A. M., El-Gendy, S. A. A., Rashwan, A. M., dan Haddad, S. S. 2024. Comparative morphological analysis of telson and uropods in *Penaeus canaliculatus* (Olivier, 1811), *Penaeus semisulcatus* (De Haan, 1844), and *Metapenaeus stebbingi* (Nobili, 1904) using scanning electron microscopy and EDX analysis. *Micron*. 181 (1): 103636.
- Amelia, F., Halalludin, B., Naim, S., dan Permana, R. 2020. Analisis keanekaragaman genus *Vibrio* pada udang terinfeksi *Enterocytozoon hepatopenaei* (EHP) dengan metode Enterobacterial Repetitive Intergenic Consensus Polymerase Chain Reaction (ERIC-PCR). *Jurnal Aquaculture and Fish Health*. 9(3): 238–251.
- Aras, A. K., Fikriyah, A., Pratiwi, G. A. I., & Nurlita, W. 2022. Prevalensi Infeksi EHP (*Enterocytozoon hepatopenaei*) pada Udang Vaname (*Litopenaeus vannamei*) Berdasarkan Data Surveillance di Bali, Indonesia. *Media Akuakultur*. 17(2): 59-65.
- Artanto, Y. K., Prayitno, S. B., Sarjito, Desrina, dan Haditomo, A. C. 2019. Molecular characteristics of Indonesian *Enterocytozoon hepatopenaei* isolates based on sequence analysis of spore wall protein genes. *AACL Bioflux*. 12(5): 2004–2014.
- Aziz, R., Deyal, S., Nursandi, J., dan Marlina, E. 2024. Maturasi induk udang vannamei (*Litopenaeus vannamei*) di Bibit Unggul Kalianda Lampung Selatan. *Jurnal Perikanan Terapan*. 5(1): 12–20.
- Chaijarasphong, T., Munkongwongsiri, N., Stentiford, G. D., Aldama-Cano, D. J., Thansa, K., Flegel, T. W., dan Itsathitphaisarn, O. 2021. The shrimp microsporidian *Enterocytozoon hepatopenaei* (EHP): Biology, pathology, diagnostics and control. *Journal of Invertebrate Pathology*. 186: 107458.
- Dewi, S., Karma, K., dan Sulkifli, S. 2025. Manajemen pengelolaan pemberian pakan dalam menunjang laju pertumbuhan udang vanamei (*Litopenaeus vannamei*). *Manfish: Jurnal Ilmiah Perikanan dan Peternakan*. 3(2): 170–186.
- Figueredo, A., & Lodeiros, C. 2023. The Pacific white shrimp, the most cultivated shrimp species: is it *Litopenaeus* or *Penaeus vannamei*? *Reviews in Aquaculture*, 15(1), 7–13.
- Faisal, A. F., dan Pancoro, A. 2018. Deteksi dini *Enterocytozoon hepatopenaei* (EHP) pada udang vaname (*Litopenaeus vannamei*) menggunakan metode PCR (*Polymerase Chain Reaction*). *Jurnal Riset Akuakultur*. 13(3): 267–275.

- Fauzan, R. A., Yulianti, D., dan Pramudito, A. 2020. Karakteristik habitat udang vannamei (*Litopenaeus vannamei*) di perairan lepas pantai. *Jurnal Perikanan Tropis*. 7(1): 51–58.
- Fidyandini, H. P., Elisdiana, Y., Sarida, M., Utomo, D. S. C., dan Viani, D. O. 2024. Mitigasi penyakit mikrosporidia *Enterocytozoon hepatopenaei* (EHP) pada tambak masyarakat di Desa Purworejo, Pasir Sakti, Lampung Timur. *Jurnal Pengabdian Fakultas Pertanian Universitas Lampung*. 3(2): 35–41.
- Govindasamy, T., Bhassu, S., & Raju, C. S. 2023. *Enterocytozoon hepatopenaei* infection in shrimp: Diagnosis, interventions, and food safety guidelines. *Microorganisms*. 12(1): 21.
- Han, J. E., Tang, K. F. J., & Kim, J. H. 2018. The use of β -tubulin gene for phylogenetic analysis of the microsporidian parasite *Enterocytozoon hepatopenaei* (EHP) and in the development of a nested PCR as its diagnostic tool. *Aquaculture*. 495: 899–902.
- Itsathitphaisarn, O., Sritunyalucksana, K., Thitamadee, S., dan Flegel, T. W. 2021. Current status of *Enterocytozoon hepatopenaei* (EHP) in shrimp aquaculture. *Journal of Invertebrate Pathology*. 186: 107574.
- Jaroenlak, P., Sanguanrut, P., Williams, B. A. P., Stentiford, G. D., Flegel, T. W., Sritunyalucksana, K., dan Itsathitphaisarn, O. 2016. A nested PCR assay to avoid false positive detection of the microsporidian *Enterocytozoon hepatopenaei* (EHP) in environmental samples in shrimp farms. *PLoS ONE*. 11(11): e0166320.
- McDonald, C., Taylor, D., & Linacre, A. 2024. PCR in Forensic Science: A Critical Review. *Genes*. 15(4): 438.
- Nkuba, A. C., Mahasri, G., Lastuti, N. D. R., dan Mwendolwa, A. A. 2021. Correlation of nitrite and ammonia with prevalence of *Enterocytozoon hepatopenaei* in shrimp *Litopenaeus vannamei* in East Java, Indonesia. *Jurnal Ilmiah Perikanan dan Kelautan*. 13(1): 58–67.
- Nugrahan, M. A. R., Dewi, N. R., Awaluddin, M., Widodo, A., Sumon, M. A. A., Jamal, M. T., dan Santanumurti, M. B. 2023. Recirculating Aquaculture System (RAS) towards emerging whiteleg shrimp (*Penaeus vannamei*) aquaculture. *International Aquatic Research*. 15(1): 1–14.
- Rajendran, K. V., Shivam, S., Praveena, P. E., Rajan, J. J. S., Kumar, T. S., Avunje, S., Jagadeesan, V., Babu, S. V. A. N., dan Pande, A. 2016. Emergence of *Enterocytozoon hepatopenaei* (EHP) in farmed *Penaeus* (*Litopenaeus*) *vannamei* in India. *Aquaculture*. 454: 272–280.
- Ramadani, M. F., Salsabila, S., Ratna, M., Iskandar, A. S., Hajirah, R. N., Azani, S. A., Nurul, dan Putri, E. 2023. *Teknik Budidaya Udang Vannamei Skala Super Intensif*. Makassar: Jurusan Biologi, Universitas Negeri Makassar.
- Ramadhan, A. P., Setyaningrum, E. W., dan Yuniarti, M. 2024. Monitoring diseases in water of vannamei shrimp (*Litopenaeus vannamei*), Banyuwangi District. *Journal of Aquaculture Science*. 9(1): 39–47.
- Sajiri, W. M. H. W., Kua, B. C., dan Borkhanuddin, M. H. 2023. Detection of *Enterocytozoon hepatopenaei* (EHP) (Microsporidia) in several species of

- potential macrofauna-carriers from shrimp (*Penaeus vannamei*) ponds in Malaysia. *Journal of Invertebrate Pathology*. 198: 107910.
- Sainz-Hernández, J. C., Rodríguez-Jaramillo, M. C., & López-Greco, L. S. (2022). Intensification of penaeid shrimp culture: Advances in production systems, nutrition and breeding. *Animals*. 12(3): 236.
- Se, A. N., Santoso, P., dan Liufeto, F. C. 2023. Pengaruh perbedaan suhu dan salinitas terhadap pertumbuhan post larva udang vaname (*Litopenaeus vannamei*). *Jurnal Vokasi Ilmu-Ilmu Perikanan*. 3(2): 84–89.
- Tang, K. F. J., Han, J. E., Aranguren, L. F., White-Noble, B., Schmidt, M. M., Piamsomboon, P., Risdiana, E., dan Hanggono, B. 2016. Dense populations of the microsporidian *Enterocytozoon hepatopenaei* (EHP) in feces of *Penaeus vannamei* exhibiting white feces syndrome and pathways of their transmission to healthy shrimp. *Journal of Invertebrate Pathology*. 140: 1–7.
- Thitamadee, S., Prachumwat, A., Srisala, J., Jaroenlak, P., Salachan, P. V., Sritunyalucksana, K., Flegel, T. W., dan Itsathitphaisarn, O. 2016. Review of current disease threats for cultivated penaeid shrimp in Asia. *Aquaculture*. 452: 69–87.
- Utami, D. A. S., Kusmiatun, A., Dewi, M. A., Asmarany, A. R., Wahidi, B. R., dan Yunarty. 2025. *Enterocytozoon hepatopenaei* infection, environmental characteristics, shrimp health status, and microorganisms abundance in intensive Pacific white shrimp farming. *Egyptian Journal of Aquatic Biology and Fisheries*. 29(1): 2281–2304.
- Wang, Y., Chen, J., Na, Y., Li, X. C., Zhou, J. F., Fang, W. H., & Tan, H. X. 2023. *Ecytonucleospora hepatopenaei* n. gen. et comb. (Microsporidia: Enterocytozoonidae): A redescription of the *Enterocytozoon hepatopenaei* (Tourtip et al., 2009), a microsporidian infecting the widely cultivated shrimp *Penaeus vannamei*. *Journal of Invertebrate Pathology*. 201: 107988.
- Yang, C. H., Chan, T. Y., Chu, K. H., dan Hurzaid, A. 2023. Making sense of the taxonomy of the most commercially important shrimps *Penaeus* Fabricius, 1798 s.l. (Crustacea: Decapoda: Penaeidae), a way forward. *Aquaculture*. 563: 738955.